

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 30757/39814	FOR FURTHER ACTION	
International application No. PCT/US2004/000814	International filing date (day/month/year) 14/01/2004	(Earliest) Priority Date (day/month/year) 14/01/2003
Applicant UNITED TECHNOLOGIES CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box II).

3. Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G08B13/14 G08B21/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G08B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 750 197 A (HANNON MARWAN ET AL) 7 June 1988 (1988-06-07)	1-6, 10-17
Y	column 3, line 2 - column 4, line 48 column 5, line 55 - column 6, line 47 column 7, line 5 - line 63 column 8, line 21 - column 10, line 65; figure 1	7-9, 18-21, 28-36, 40-56
Y	US 6 400 268 B1 (LINDSKOG KJELL) 4 June 2002 (2002-06-04)	7-9, 27-36, 40-56
	column 3, line 11 - column 5, line 6 column 5, line 53 - line 65	-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- *8* document member of the same patent family

Date of the actual completion of the international search

1 July 2004

Date of mailing of the international search report

07/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 565 858 A (GUTHRIE WARREN E) 15 October 1996 (1996-10-15) column 3, line 22 - line 37 column 3, line 61 - column 5, line 65 column 11, line 8 - line 42 figures 3a,3b,6 column 10, line 1 - line 26 -----	24-26
Y		18-21,27

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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US 6400268	B1	04-06-2002	SE	501675 C2	10-04-1995
			US	6215397 B1	10-04-2001
			AU	4098393 A	13-12-1993
			BR	9306336 A	27-07-1999
			CA	2135162 A1	25-11-1993
			DE	69312974 D1	11-09-1997
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			DK	725881 T3	23-03-1998
			EP	0725881 A1	14-08-1996
			ES	2108871 T3	01-01-1998
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			WO	9608760 A1	21-03-1996